

STATEMENT OF QUALIFICATIONS

SURVEY AND MAPPING



INTEGRITY, QUALITY, AND SERVICE

Everything we do is about improving and evolving the communities we live in. We achieve this by helping our partners turn their vision into reality. We are a full-service engineering and surveying firm ready to address our client's challenges.

George F. Young, Inc. (GFY) brings new thinking and fresh ideas to every project. We stay well engaged in the ongoing development of new technologies, processes, and regulatory changes in the engineering and surveying industries through communication and training. If there is a way to do it better, we will find it!

Beginning in 1919, the idea was simple: "Provide the highest attention to solutions and stay passionately committed to integrity, quality, and service."

As one of the longest-established companies in Florida, we are dedicated to providing our clients with the best service. We do that by embracing a passionate culture of putting the customer at the center of everything we do.

The multiple projects completed over the decades have resulted in a solid reputation of outstanding technical knowledge based on our experience and the promise to approach each project with attention to detail.

FROM CONCEPT TO COMPLETION, we provide the resources of our experienced staff of professionals, technicians, and specialists dedicated to delivering the service you need for your projects.

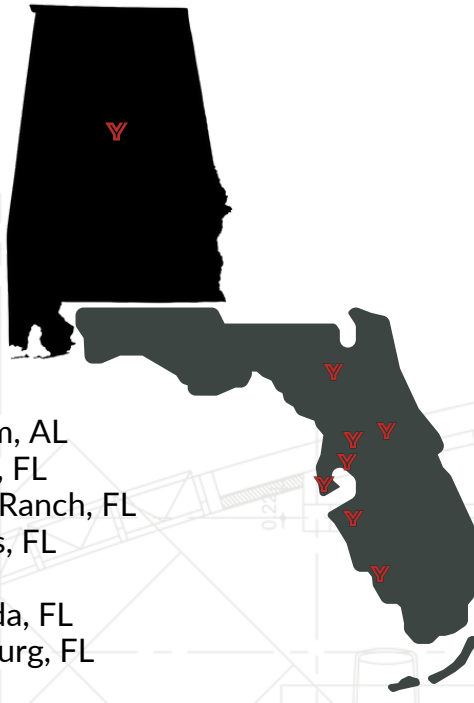
GFY has provided the federal government, the State of Florida, counties, cities, and communities with quality surveying and mapping services since 1919. Today, we are recognized as one of the largest surveying and mapping firms in Florida, with the resources to undertake virtually any surveying and mapping project – whether for high-rise developments in an urban area, vast rural lands, or bathymetric surveys on waterbodies. With our staff's experience, quantity, and quality, and extensive company-owned specialized equipment, we provide services on thousands of projects each year. GFY has provided survey services in 66 of Florida's 67 counties.

GFY is an expert in many types of survey services, including:

- Topographic and Boundary Surveys
- Platting
- ALTA/NSPS Land Title Surveys
- Expert Witness Testimony
- Horizontal and Vertical Control Surveys
- Geodetic Control/Leveling
- Elevation Certificates
- Right-of-Way Surveys
- Mean High-Water Surveys
- Subsurface Utility Locating
- Hydrographic/Bathymetric Surveys
- Construction Stakeout
- Jurisdictional Surveys
- Special Purpose Surveys
- Legal Descriptions
- GLO Retracement Surveys
- Geographic Information Systems
- Easements
- Terrestrial Scanning
- Mobile Lidar
- Condominium Plats
- As-Built Surveys

COMPANY OVERVIEW

GFY OFFICE LOCATIONS



- Birmingham, AL
- Gainesville, FL
- Lakewood Ranch, FL
- Lake Wales, FL
- Lutz, FL
- Punta Gorda, FL
- St. Petersburg, FL
- Tampa, FL



SURVEY AND
MAPPING



STRUCTURAL
ENGINEERING



ENVIRONMENTAL
SCIENCE AND
PERMITTING



GEOGRAPHIC
INFORMATION
SYSTEMS



CIVIL
ENGINEERING



TRANSPORTATION
ENGINEERING



SUBSURFACE
UTILITY
ENGINEERING



HYDROGRAPHIC
SURVEYING

Corporate Leadership



Bill Kent, CEO
bkent@georgefyoung.com



Brenda Anderson, CFO
banderson@georgefyoung.com



Steven Heise, PLS
sheise@georgefyoung.com

1. Firm Name: George F. Young, Inc. (GFY)

2. Organizational type: George F. Young of Florida; civil engineering and survey and mapping firm

3. Years in business: GFY was established in 1919 and has 106 years in continuous business.

4. Business Address: Corporate office | 299 Dr. Martin Luther King, Jr. St. North
St. Petersburg, FL 33701

5. Phone: 727.822.4317

6. Executive Team:

- William D. Kent, President
- Steven Heise, PLS, Sr. Vice President, Surveying and Utilities
- Brenda Anderson, Chief Financial Officer
- Jeremy Lunsford, PE, Vice President, Structural Engineering

7. Professional Registrations:

- Engineering Firm - Florida #21
- Surveyor License - Florida LB #021

8. Key Personal and Experience:

- Steven Heise, PLS - 35 yrs. experience
- Shane Christy, PSM, PLS - 20 yrs. experience
- F. Peter Lutz, PSM - 41 yrs. experience
- Trevor Hatch, PSM - 17 yrs. experience
- Nathan Weber, PSM - 16 yrs. experience
- David Deren, PSM - 21 yrs. experience
- Matthew Smith, PLS - 21 yrs. experience
- Mike Curley, PSM - 40 yrs. experience

9. Professional affiliations:

- Shane Christy, PSM, PLS
 - Florida Surveying and Mapping Society
 - National Society of Professional Surveyors
- F. Peter Lutz, PSM
 - Florida Surveying and Mapping Society
- Trevor Hatch, PSM
 - Utah Council of Land Surveyors
 - National Society of Professional Surveyors
- Nathan Weber, PSM
 - Builders Association of North Central Florida member
- Mike Curley, PSM
 - Tampa Bay Chapter of Florida
 - Surveying and Mapping Society

10. References:

- Florida Department of Environmental Protection
 - Scott Woolam
 - Bureau Chief
 - 3900 Commonwealth Blvd Tallahassee, FL 32399
 - Phone: 850-245-2806
 - Email: scott.woolam@FloridaDEP.gov
- City of Tarpon Springs
 - Bob Robertson, P.E.
 - Project Administration Department Director
 - 324 East Pine Street Tarpon Springs, FL 34688
 - Phone: 727-942-5608
- Pinellas County
 - Shirley B. Zeller, PSM, CPM
 - Survey and Mapping Division
 - Department of Public Works 22211 U.S. Hwy. 19 N. Clearwater, FL 33765
 - Phone: 727-464-8904

11. Representative Projects:

MacDill Air Force Base Fueling System -

Tampa, Florida: The project consisted of converting a two-lane rural dirt road to an asphalt paved road, including geotechnical investigations, stormwater and environmental analysis and design, utility relocations and upgrading, as well as analyzing and designing two intersections along the newly constructed 12th Avenue. To minimize the field time needed yet collect the very dense topographic data set required for the project, GFY decided to collect 3D data with terrestrial laser scanners.

Tide Station Recovery and Mark Maintenance - Manatee, Pinellas, and Hillsborough County, Florida:

This was a 1-year project to verify and establish North American Vertical Datum of 1988 (NAVD 88) values on existing and new Tidal Benchmarks at specific Tide station locations in Manatee, Pinellas and Hillsborough counties in Florida for the Florida Department of Environmental Protection (FDEP). For this project, Digital Levels and Barcode Invar Rods were used.

FDOT District 7 US 98/SR 700/Ponce De Leon Boulevard from South of Citrus Way/CR 491 to North of Citrus Way - Hernando County, Florida:

The project scope called for establishing two survey lines. The first re-establishing a survey line for over a mile of SR 700. The other is a half mile of Citrus Way, a road intersecting with SR 700 in Hernando County. With all observations, processing, and reviews completed and in order, a seven-sheet survey map and surveyor report were prepared and submitted to the client.

Lower Hillsborough River - Tampa, Florida:

GFY was engaged by the Southwest Florida Water Management District (SWFWMD) to survey the Lower Hillsborough River from the W. Platt St. Bridge north to the Hillsborough River Dam. This required collecting survey data using bathymetric and Real Time Kinematic Global Positioning System (RTK GPS) methods along approximately 528 cross-sections. Cross sections had a nominal 100' spacing. In addition, centerline profile lines were surveyed to validate cross-section data. Additional profile lines were surveyed in areas where the river was wide enough.

Port Manatee Basin - Palmetto, Florida:

GFY performed Hydrographic Survey services for Port Manatee. The scope required a multibeam survey within the port for Berths 4-10, 11, and 12. Hypack Software was used for navigation, data acquisition and integration, and data processing.

City of St. Pete Beach Gulf Boulevard Sanitary/Sewer Improvements - St. Petersburg, Florida:

For this project, the limits of the potable water main replacement (approximately 4,100') extended from 3rd St S. along Central Avenue to Beach Drive, from 3rd St. N. and 1st Avenue N. along 1st Avenue N. to 1st St. N, and from the intersection of 2nd St. N and Central Avenue along 2nd St. N. to 2nd Avenue N. The water main infrastructure was located and identified by our subsurface utility crews. Our survey crews located those horizontal and vertical locations and completed a topographic survey along with a DTM of the above-ground features for the project limits. Horizontal control for the project was established with redundant GPS observations utilizing National Geodetic Monuments. Vertical project benchmarks were established utilizing a digital level, processed through Trimble Business Center. The topographic survey was performed using a robotic instrument and data collector. All surveying and mapping work was performed in accordance with State statutes.



ST. PETERSBURG, FLORIDA

St. Petersburg Pier

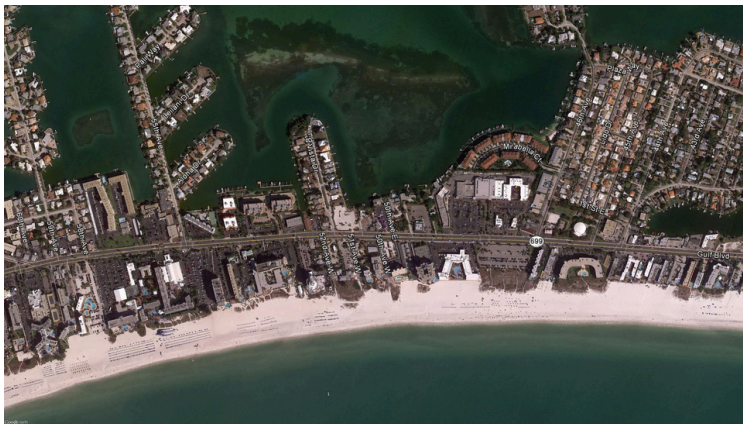
This project involved Construction Survey services for a twenty-six (26) acre redevelopment in downtown St. Petersburg. Tasks included preparing a boundary survey, establishing onsite horizontal and vertical control, and as-needed construction staking across the entire site. Over two years, GFY completed numerous grid line layouts, providing localized vertical control, verifying formwork, staking all of the electrical for the site, and performing construction and final FEMA Elevation Certificates for each newly constructed building. (Picture via Architectural Record)



FORT MCCOY, FLORIDA

FDEP Etoniah Cross Florida Greenway

The FDEP engaged GFY to perform boundary surveys for land acquisition abutting the existing Cross Florida Greenway. The project consisted of 10 parcels on the west side of the Ocklawaha River and spanning from State Road 40 on the south to 17 miles downriver (north), approximately five miles north of the settlement of Eureka. The final area surveyed consisted of 872 acres, marking 11.7 miles of boundary abutting private ownership.



ST. PETERSBURG, FLORIDA

Crystal Beach Drainage Project

GFY prepared a topographic survey of the lands along Crystal Beach Roads, Florida Avenue to Crystal Beach Avenue, and South Gulf Drive to Alt US 19 (4.35 miles+/-):

- Topographic survey update for changed areas from the right of way to the right of way and 10' beyond with high points and low points, including above ground features such as curbs, trees with a diameter of 4" and larger
- Interval cross-section checks were conducted at midpoints between intersections
- Wetland/vegetation lines were located, marked by others, and coordinated by the County.
- Alignments were shown in CAD only
- Right of Way was located per plats, deed descriptions, and found monumentation



CEDAR KEY, FLORIDA

Gulf Jackson Clam Lease Expansion Parcels

GFY was selected by 49 individual clients who were awarded clam farming leases within the new Gulf Jackson Expansion Aqua Culture Use Zone. During the initial lease award in April of 2018, a GFY representative attended the meeting and personally spoke to all of the lease winners, and provided a detailed scope and Q&A discussion. This level of personal involvement gave the applicants a confident and comfortable first impression of the contractor who will be performing their survey. Each lessee had the freedom to select any licensed surveyor to perform the work; each one of them selected GFY by the week following the lease awards. Our team has performed lease staking in Cedar Key since 1993 giving us unparalleled experience with the Florida Department of Agriculture and Consumer Services Division of Aquaculture, surveying/platting standards, qualified sub-consultants, and the characteristics of the environment where work was performed.



IVERNESS, FLORIDA

Gum Slough

The project required the GFY team to collect bathymetric data using Real Time Kinematic Global Positioning System (RTK GPS) methods along approximately 6000 linear feet of Gum Slough. Cross sections had a nominal 100' spacing. In addition, data was collected in 24 locations identified as polygons provided by the district. Finally, the location and elevation of 36 Temporary Benchmarks were surveyed.



CLEARWATER, FLORIDA

Imagine Clearwater

Both horizontal and vertical control was established throughout the project. The horizontal control network was created by a conventional balanced traverse and coordinate values were established on said control relative to the Florida State Plane Coordinate System utilizing published National Geodetic Survey Control monuments and GPS methods. Vertical control was established by conventional leveling from National Geodetic Survey benchmarks. This control was maintained by GFY and provided to other consultants on the site.

GFY provided layout and as-built services for Skanska and 5 other contractors on the site for over two years.

OUR TEAM

At GFY, our internal focus is on our team, and our corporate goal is to create an environment that allows our project managers to be successful. We'd like for you to meet some of our key, experienced personnel below:



Steven Heise, PLS

Senior Vice President, Surveying and Utilities
sheise@georgefyoung.com

PERSONAL PROFILE

Steven is a California Licensed Professional Land Surveyor, with over 35 years of land surveying experience. He has performed land survey work on major projects in 23 States and internationally in Canada, Mexico, and South America. For over 22 years, he has focused his career in California. He's experienced in pipeline surveys, public lands, military installations, highway and railroad projects, wireless communications, construction staking, subdivision maps, condominium mapping, parcel maps, easements, and right-of-way, and Record of Surveys with countless hours of boundary survey work and experience. A past-president of the California Land Surveyor Association – San Diego Chapter, Steven is passionate about the land surveying industry.

EDUCATION

- Bachelor of Science, Geomatics, British Columbia Institute of Technology

LICENSES/CERTIFICATIONS

- Professional Land Surveyor: California: LS #8788

PROJECT EXPERIENCE

- Mid-Coast Corridor Transit Project San Diego, California
- Inland Rail Vista, San Marcos, Escondido, and San Diego Counties, California
- Prospect Avenue Corridor Enhancement Santee, California
- Alder Avenue Improvements Rialto, California
- Southeast Connector Folsom, Sacramento County, California
- I-10 Highland Springs Interchange Project, Menifee, CA
- Scott Road/Interstate 215 Interchange Project Banning, CA
- SoCal Edison Alberhill System Project, Lake Elsinore, Wildomar, Menifee and Unincorporated Riverside County, CA
- USA/Mexico Border Entry Bridge Expansion, State Route 7, Calexico, CA



Mike Curley, PSM

Vice President Transportation Surveying
mcurley@georgefyoung.com

PERSONAL PROFILE

Mike has 40 years of experience providing surveying services throughout the state and for Florida Department of Transportation (FDOT) Districts 1, 2, 4, 5, and 7. He has supervised and participated in several projects that include railroad corridors, design surveys, geodetic control surveys, right-of-way (R/W) control surveys, R/W mapping and monumentation surveys, and subsurface utility mapping. He is a proficient user of Microstation and AutoCAD Civil 3D.

LICENSES/CERTIFICATIONS

- Florida Professional Surveyor and Mapper #LS 6361

PROJECT EXPERIENCE

- St. Petersburg/Clearwater Airport PIE-Terminal Addition
- City of St. Petersburg Southwest Water Reclamation Facility Reject Water Piping Improvements
- City of Indian Shores Survey Manager for the undergrounding of utilities
- Hillsborough County, Rocky Creek Dr. Tampa, Florida
- Crystal Beach - Pinellas County, Florida
- City of Lakeland Lake Parker Drive 6" AC Water Main Replacement Project
- SR 82 at Hendry County and Lee County Line, 12-mile design survey



Shane Christy, PSM, PLS

Vice President Business Development, SW Florida
schristy@georgefyoung.com

PERSONAL PROFILE

Shane's skills, knowledge and experience in the field of land surveying cover various surveying tasks for federal, state, and county agencies, civil engineering firms, land developers and contractors. These tasks included ALTA/ACSM boundary surveys, legal sketches, sovereign submerged land leases, multi- and single- beam hydrographic surveys, and land surveys for dredge and support equipment on beach fill, land reclamation, channel maintenance, and capital improvements projects.

EDUCATION

- Bachelor of Science, Geomatics
University of Florida, Gainesville, Florida

LICENSES/CERTIFICATIONS

- State of Florida Professional Survey and Mapper: LS #7100
- State of Louisiana Professional Land Surveyor: PLS.0005335
- Red Cross First Aid, CPR, AED
- OSHA Construction Safety and Health 30- hour Training

PROJECT EXPERIENCE

- Southwest Florida Water Management District: Hillsborough River Bathymetric Survey
- Tide Station Recovery and Mark Maintenance, Manatee, Pinellas and Hillsborough County, Florida
- Manatee County Surveying & Mapping Continuing Services Contract: Harbor Hills Water Main Replacement, Bradenton, Florida
- Manatee County: Lorraine Road Right-of-Way and Topographic Survey
- Manatee County 75th Street West from 20th Avenue West to Manatee Avenue West
- Tuttle Avenue and Whitfield Intersection Improvements



F. Peter Lutz, PSM

Vice President Lakewood Ranch Survey
lutz@georgefyoung.com

PERSONAL PROFILE

Pete is Vice President of Survey and AutoCAD specialist in the Lakewood Ranch Office of GFY. Pete is responsible for the preparation of boundary and topographic surveys, subdivision and condominium plats, design alignments for the construction of roadways and utilities, right-of-way maps, easement descriptions, construction computations for field layout, and GPS projects. He also prepares permit drawings for dredging, utility installations, seawall construction, and retention areas.

EDUCATION

- Associate in Science Civil Engineering
State College of Florida Manatee-Sarasota

LICENSES/CERTIFICATIONS

- State of Florida Professional Survey and Mapper: LS #5506

PROJECT EXPERIENCE

- City of Venice Booster Pump Site
- Venice Airport Boundary Survey
- State Road 64 Force Main Design
- Payne Park, Sarasota, FL
- North American Vertical Datum of 1988 (NAVD88) benchmarks
- Stockpile quantity survey and report, 17th St E. in Palmetto, FL



Trevor Hatch, PSM

Vice President St. Pete Survey
thatch@georgefyoung.com

PERSONAL PROFILE

Trevor started in the field of surveying in 2006 and received his first state licensure in Utah in 2014. Trevor's skills, knowledge and experience in the field of land surveying cover various surveying tasks for civil engineering firms, land developers and contractors. He specializes in land development and ALTA surveys. He has been the surveyor of record for many subdivision plats and ALTA surveys.

EDUCATION

- Bachelor of Science, International Studies, University of Utah

LICENSES/CERTIFICATIONS

- Professional Surveyor and Mapper: Florida #7443
- Licensed Surveyor
 - UT #9031945
 - CO #0038616
 - NV #031637
 - AZ #73408

PROJECT EXPERIENCE

- Second District Courthouse, St. Petersburg, Florida
- City of Clearwater Old City Hall
- Highway 466, Lady Lake, Florida
- Maximo Marina Elevation, St. Petersburg, Florida
- Grubb Ranch, Highland Hammock, Florida
- Veolia Water Surface Treatment Plant, Tampa Bay Water
- Fair Oaks Park, Tampa, Florida



Nate Weber, PSM

Vice President Gainesville Survey
nweber@georgefyoung.com

PERSONAL PROFILE

Nate received his BS degree in Geomatics from the University of Florida in 2008. He has experience working as a site engineer and project surveyor for sites scattered throughout the country as well as a project surveyor in ultra-deep subsea environments for oil and natural gas extraction. Nate is responsible for the review, approval, and oversight of boundary surveys, topographic design surveys, route surveys, unique specific-purpose surveys, and construction layout projects. Nate is also responsible for survey staff and project management within the GFY Gainesville location.

EDUCATION

- Bachelor of Science, Geomatics University of Florida, Gainesville, Florida

LICENSES/CERTIFICATIONS

- Professional Survey and Mapper: FL #7115
- United States of America Merchant Mariner Credential

PROJECT EXPERIENCE

- Rock Tenn Property, Alachua County Board of County Commissioners, Alachua County, Florida
- Higginbotham-Cypress Point Creek Survey Boundary Survey, Alachua County
- Alachua County at Barr Hammock, U.S. Fish and Wildlife, Alachua County, Florida
- Six Parcels at Little Orange Creek, Alachua Conservation Trust, Alachua County, Florida
- GRU Lift Station 40, Gainesville, Florida
- Palatka Lateral Pipeline, Putnam County, Florida
- Suwannee River Water Management District (SRWMD) Metzger UFA and Watermelon Pond Boat Ramp, Newberry, Florida



Matt Smith, PLS

Project Manager
msmith@georgefyoung.com

PERSONAL PROFILE

Matt is an experienced Project Manager with a demonstrated history of working in the civil engineering industry. He is skilled in AutoCAD, oil & gas offshore, land surveying, hydrographic surveying, and pre-commissioning. Matt has strong program and project management through his education with a BS degree focused in civil engineering from Murray State University.

EDUCATION

Bachelor Of Science In Civil Engineering,
Murray State University

Associates Degree In Design Technology,
Ivy Tech College

LICENSES/CERTIFICATIONS

- PLS License Kentucky 3800
- PLS License Florida 7521

PROJECT EXPERIENCE

- Levee Construction and Armoring, St. Charles Parish, Louisiana
- Harvey, Algiers And Port Allen Lock Surveys, Louisiana



David Deren, PSM

Vice President Business Development, NE Florida
dderen@georgefyoung.com

PERSONAL PROFILE

David Deren is the owner of Deren Land Surveying, LLC that recently merged with GFY. Deren provides professional land surveying services throughout the entire State of Florida with a dedication to the profession and continued business development working with a multitude of long-term clients, involvement with a wide variety of customers, community interaction and networking organizations.

EDUCATION

- Bachelor of Arts, Geoscience; University of Florida

LICENSES/CERTIFICATIONS

- Professional Surveyor and Mapper: Florida: #6946

PROJECT EXPERIENCE

- Lake Istokpoga Mitigation Bank
- Cow Creek Mitigation Bank
- County Road 229, Union County, Florida
- Steinhatchee River, Taylor County, Florida
- Fish Eating Creek Mitigation Bank
- Shands Guest house, Gainesville, Florida
- Coral Farms Solar Field, Putnam County, Florida



www.GeorgeFYoung.com